RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,664

DATE: 11/19/2001
TIME: 08:58:28

Input Set : N:\Crf3\RULE60\09943664.raw
Output Set: N:\CRF3\11192001\I943664.raw

ENTERED

```
 1 <110> APPLICANT: Baker, Kevin
 2         Botstein,David
 3         Eaton,Dan
 4         Ferrara,Napoleone
 5         Filvaroff,Ellen
 6         Gerritsen,Mary
 7         Goddard,Audrey
 8         Godowski,Paul
 9         Grimaldi,Christopher
10         Gurney,Austin
11         Hillan,Kenneth
12         Kljavin,Ivar
13         Napier,Mary
14         Roy,Margaret
15         Tumas,Daniel
16         Wood,William
17 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
18         ACIDS ENCODING THE SAME
19 <130> FILE REFERENCE: P2548P1C1
20 <140> CURRENT APPLICATION NUMBER: 09/943,664
21 <141> CURRENT FILING DATE: 2001-08-30
22 <150> PRIOR APPLICATION NUMBER: 09/866,028
23 <151> PRIOR FILING DATE: 2001-05-25
24 <150> PRIOR APPLICATION NUMBER: 60/069,334
W--> 25 <151> PRIOR FILING DATE: December 11, 1997
26 <150> PRIOR APPLICATION NUMBER: 60/069335
W--> 27 <151> PRIOR FILING DATE: December 11, 1997
28 <150> PRIOR APPLICATION NUMBER: 60/069,278
W--> 29 <151> PRIOR FILING DATE: December 11, 1997
30 <150> PRIOR APPLICATION NUMBER: 60/069,425
W--> 31 <151> PRIOR FILING DATE: December 12, 1997
32 <150> PRIOR APPLICATION NUMBER: 60/069,696
W--> 33 <151> PRIOR FILING DATE: December 16, 1997
34 <150> PRIOR APPLICATION NUMBER: 60/069,694
W--> 35 <151> PRIOR FILING DATE: December 16, 1997
36 <150> PRIOR APPLICATION NUMBER: 60/069,702
W--> 37 <151> PRIOR FILING DATE: December 16, 1997
38 <150> PRIOR APPLICATION NUMBER: 60/069,870
W--> 39 <151> PRIOR FILING DATE: December 17, 1997
40 <150> PRIOR APPLICATION NUMBER: 60/069,873
W--> 41 <151> PRIOR FILING DATE: December 17, 1997
42 <150> PRIOR APPLICATION NUMBER: 60/068,017
W--> 43 <151> PRIOR FILING DATE: December 18, 1997
44 <150> PRIOR APPLICATION NUMBER: 60/070,440
W--> 45 <151> PRIOR FILING DATE: January 5, 1998
46 <150> PRIOR APPLICATION NUMBER: 60/074,086
W--> 47 <151> PRIOR FILING DATE: February 9, 1998
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,664

Input Set : N:\Crf3\RULE60\09943664.raw
Output Set: N:\CRF3\11192001\I943664.raw

```
    48 <150> PRIOR APPLICATION NUMBER: 60/074,092
W--> 49 <151> PRIOR FILING DATE: February 9, 1998
    50 <150> PRIOR APPLICATION NUMBER: 60/075,945
W--> 51 <151> PRIOR FILING DATE: February 25, 1998
    52 <150> PRIOR APPLICATION NUMBER: 60/112,850
W--> 53 <151> PRIOR FILING DATE: December 16, 1998
    54 <150> PRIOR APPLICATION NUMBER: 60/113,296
W--> 55 <151> PRIOR FILING DATE: December 22, 1998
    56 <150> PRIOR APPLICATION NUMBER: 60/146,222
W--> 57 <151> PRIOR FILING DATE: July 28, 1999
    58 <150> PRIOR APPLICATION NUMBER: PCT/US98/19330
W--> 59 <151> PRIOR FILING DATE: September 16, 1998
    60 <150> PRIOR APPLICATION NUMBER: PCT/US98/25108
W--> 61 <151> PRIOR FILING DATE: December 1, 1998
    62 <150> PRIOR APPLICATION NUMBER: 09/216,021
W--> 63 <151> PRIOR FILING DATE: December 16, 1998
    64 <150> PRIOR APPLICATION NUMBER: 09/218,517
W--> 65 <151> PRIOR FILING DATE: December 22, 1998
    66 <150> PRIOR APPLICATION NUMBER: 09/254,311
W--> 67 <151> PRIOR FILING DATE: March 3, 1999
    68 <150> PRIOR APPLICATION NUMBER: PCT/US99/12252
W--> 69 <151> PRIOR FILING DATE: June 22, 1999
    70 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
W--> 71 <151> PRIOR FILING DATE: September 15, 1999
    72 <150> PRIOR APPLICATION NUMBER: PCT/US99/28409
W--> 73 <151> PRIOR FILING DATE: November 30, 1999
    74 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
W--> 75 <151> PRIOR FILING DATE: November 30, 1999
    76 <150> PRIOR APPLICATION NUMBER: PCT/US99/28301
W--> 77 <151> PRIOR FILING DATE: December1, 1999
    78 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
W--> 79 <151> PRIOR FILING DATE: December 16, 1999
    80 <150> PRIOR APPLICATION NUMBER: PCT/US00/03565
W--> 81 <151> PRIOR FILING DATE: February 11, 2000
    82 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
W--> 83 <151> PRIOR FILING DATE: February 22, 2000
    84 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841
W--> 85 <151> PRIOR FILING DATE: March 2, 2000
    86 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439
W--> 87 <151> PRIOR FILING DATE: March 30, 2000
    88 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042
W--> 89 <151> PRIOR FILING DATE: May 22, 2000
    90 <150> PRIOR APPLICATION NUMBER: PCT/US00/20710
W--> 91 <151> PRIOR FILING DATE: July 28, 2000
    92 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678
W--> 93 <151> PRIOR FILING DATE: December 1, 2000
    94 <150> PRIOR APPLICATION NUMBER: PCT/US01/06520
W--> 95 <151> PRIOR FILING DATE: February 28, 2001
    96 <160> NUMBER OF SEQ ID NOS: 120
```

Input Set : N:\Crf3\RULE60\09943664.raw
Output Set: N:\CRF3\11192001\I943664.raw

```
98  <210> SEQ ID NO: 1
99  <211> LENGTH: 2454
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo Sapien
102 <400> SEQUENCE: 1
103     ggactaatct gtgggagcag tttattccag tatcacccag ggtgcagcca 50
104     caccaggact gtgttgaagg gtgttttttt tcttttaaat gtaatacctc 100
105     ctcatctttt cttcttacac agtgtctgag aacatttaca ttatagataa 150
106     gtagtacatg gtggataact tctactttta ggaggactac tctcttctga 200
107     cagtcctaga ctggtcttct acactaagac accatgaagg agtatgtgct 250
108     cctattattc ctggctttgt gctctgccaa acccttcttt agcccttcac 300
109     acatcgcact gaagaatatg atgctgaagg atatggaaga cacagatgat 350
110     gatgatgatg atgatgatga tgatgatgat gatgaggaca actctctttt 400
111     tccaacaaga gagccaagaa gccatttttt tccatttgat ctgtttccaa 450
112     tgtgtccatt tggatgtcag tgctattcac gagttgtaca ttgctcagat 500
113     ttaggtttga cctcagtccc aaccaacatt ccatttgata ctcgaatgct 550
114     tgatcttcaa aacaataaaa ttaaggaaat caaagaaaat gattttaaag 600
115     gactcacttc actttatggt ctgatcctga acaacaacaa gctaacgaag 650
116     attcacccaa aagcctttct aaccacaaag aagttgcgaa ggctgtatct 700
117     gtcccacaat caactaagtg aaataccact taatcttccc aaatcattag 750
118     cagaactcag aattcatgaa aataaagtta agaaaataca aaaggacaca 800
119     ttcaaaggaa tgaatgcttt acacgttttg gaaatgagtg caaaccctct 850
120     tgataataat gggatagagc caggggcatt tgaaggggtg acggtgttcc 900
121     atatcagaat tgcagaagca aaactgacct cagttcctaa aggcttacca 950
122     ccaactttat tggagcttca cttagattat aataaaattt caacagtgga 1000
123     acttgaggat tttaaacgat acaaagaact acaaaggctg ggcctaggaa 1050
124     acaacaaat cacagatatc gaaaatggga gtcttgctaa cataccacgt 1100
125     gtgagagaaa tacatttgga aaacaataaa ctaaaaaaaa tcccttcagg 1150
126     attaccagag ttgaaatacc tccagataat cttccttcat tctaattcaa 1200
127     ttgcaagagt gggagtaaat gacttctgtc caacagtgcc aaagatgaag 1250
128     aaatctttat acagtgcaat aagtttattc aacaacccgg tgaaatactg 1300
129     ggaaatgcaa cctgcaacat ttcgttgtgt tttgagcaga atgagtgttc 1350
130     agcttgggaa ctttggaatg taataattag taattggtaa tgtccattta 1400
131     atataagatt caaaaatccc tacatttgga atacttgaac tctattaata 1450
132     atggtagtat tatatataca agcaaatatc tattctcaag tggtaagtcc 1500
133     actgacttat tttatgacaa gaaatttcaa cggaattttg ccaaactatt 1550
134     gatacataag gggttgagag aaacaagcat ctattgcagt ttccttttg 1600
135     cgtacaaatg atcttacata aatctcatgc ttgaccattc ctttcttcat 1650
136     aacaaaaaag taagatattc ggtatttaac actttgttat caagcacatt 1700
137     ttaaaagaa ctgtactgta aatggaatgc ttgacttagc aaaatttgtg 1750
138     ctctttcatt tgctgttaga aaaacagaat taacaaagac agtaatgtga 1800
139     agagtgcatt acactattct tattctttag taacttgggt agtactgtaa 1850
140     tatttttaat catcttaaag tatgatttga tataatctta ttgaaattac 1900
141     cttatcatgt cttagagccc gtctttatgt ttaaaactaa tttcttaaaa 1950
142     taaagccttc agtaaatgtt cattaccaac ttgataaatg ctactcataa 2000
143     gagctggttt ggggctatag catatgcttt tttttttta attattacct 2050
144     gatttaaaaa tctctgtaaa aacgtgtagt gtttcataaa atctgtaact 2100
145     cgcattttaa tgatccgcta ttataagctt ttaatagcat gaaaattgtt 2150
146     aggctatata acattgccac ttcaactcta aggaatattt ttgagatatc 2200
```

```
147        cctttggaag accttgcttg gaagagcctg gacactaaca attctacacc 2250
148        aaattgtctc ttcaaatacg tatggactgg ataactctga gaaacacatc 2300
149        tagtataact gaataagcag agcatcaaat taaacagaca gaaaccgaaa 2350
150        gctctatata aatgctcaga gttctttatg tatttcttat tggcattcaa 2400
151        catatgtaaa atcagaaaac agggaaattt tcattaaaaa tattggtttg 2450
152        aaat 2454
154  <210> SEQ ID NO: 2
155  <211> LENGTH: 379
156  <212> TYPE: PRT
157  <213> ORGANISM: Homo Sapien
158  <400> SEQUENCE: 2
159        Met Lys Glu Tyr Val Leu Leu Leu Phe Leu Ala Leu Cys Ser Ala
160        1               5                  10                  15
161        Lys Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met
162                        20                 25                  30
163        Leu Lys Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp Asp Asp
164                        35                 40                  45
165        Asp Asp Asp Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr Arg Glu
166                        50                 55                  60
167        Pro Arg Ser His Phe Phe Pro Phe Asp Leu Phe Pro Met Cys Pro
168                        65                 70                  75
169        Phe Gly Cys Gln Cys Tyr Ser Arg Val Val His Cys Ser Asp Leu
170                        80                 85                  90
171        Gly Leu Thr Ser Val Pro Thr Asn Ile Pro Phe Asp Thr Arg Met
172                        95                 100                 105
173        Leu Asp Leu Gln Asn Asn Lys Ile Lys Glu Ile Lys Glu Asn Asp
174                        110                115                 120
175        Phe Lys Gly Leu Thr Ser Leu Tyr Gly Leu Ile Leu Asn Asn Asn
176                        125                130                 135
177        Lys Leu Thr Lys Ile His Pro Lys Ala Phe Leu Thr Thr Lys Lys
178                        140                145                 150
179        Leu Arg Arg Leu Tyr Leu Ser His Asn Gln Leu Ser Glu Ile Pro
180                        155                160                 165
181        Leu Asn Leu Pro Lys Ser Leu Ala Glu Leu Arg Ile His Glu Asn
182                        170                175                 180
183        Lys Val Lys Lys Ile Gln Lys Asp Thr Phe Lys Gly Met Asn Ala
184                        185                190                 195
185        Leu His Val Leu Glu Met Ser Ala Asn Pro Leu Asp Asn Asn Gly
186                        200                205                 210
187        Ile Glu Pro Gly Ala Phe Glu Gly Val Thr Val Phe His Ile Arg
188                        215                220                 225
189        Ile Ala Glu Ala Lys Leu Thr Ser Val Pro Lys Gly Leu Pro Pro
190                        230                235                 240
191        Thr Leu Leu Glu Leu His Leu Asp Tyr Asn Lys Ile Ser Thr Val
192                        245                250                 255
193        Glu Leu Glu Asp Phe Lys Arg Tyr Lys Glu Leu Gln Arg Leu Gly
194                        260                265                 270
195        Leu Gly Asn Asn Lys Ile Thr Asp Ile Glu Asn Gly Ser Leu Ala
196                        275                280                 285
```

```
197      Asn Ile Pro Arg Val Arg Glu Ile His Leu Glu Asn Asn Lys Leu
198                          290                 295                 300
199      Lys Lys Ile Pro Ser Gly Leu Pro Glu Leu Lys Tyr Leu Gln Ile
200                          305                 310                 315
201      Ile Phe Leu His Ser Asn Ser Ile Ala Arg Val Gly Val Asn Asp
202                          320                 325                 330
203      Phe Cys Pro Thr Val Pro Lys Met Lys Lys Ser Leu Tyr Ser Ala
204                          335                 340                 345
205      Ile Ser Leu Phe Asn Asn Pro Val Lys Tyr Trp Glu Met Gln Pro
206                          350                 355                 360
207      Ala Thr Phe Arg Cys Val Leu Ser Arg Met Ser Val Gln Leu Gly
208                          365                 370                 375
209      Asn Phe Gly Met
211 <210> SEQ ID NO: 3
212 <211> LENGTH: 20
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
217 <400> SEQUENCE: 3
218      ggaaatgagt gcaaaccctc 20
220 <210> SEQ ID NO: 4
221 <211> LENGTH: 24
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
226 <400> SEQUENCE: 4
227      tcccaagctg aacactcatt ctgc 24
229 <210> SEQ ID NO: 5
230 <211> LENGTH: 50
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
235 <400> SEQUENCE: 5
236      gggtgacggt gttccatatc agaattgcag aagcaaaact gacctcagtt 50
238 <210> SEQ ID NO: 6
239 <211> LENGTH: 3441
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo Sapien
242 <400> SEQUENCE: 6
243      cggacgcgtg ggcggacgcg tgggcccgcs gcaccgcccc cggcccggcc 50
244      ctccgccctc cgcactcgcg cctccctccc tccgcccgct cccgcgccct 100
245      cctccctccc tcctccccag ctgtcccgtt cgcgtcatgc cgagcctccc 150
246      ggccccgccg gccccgctgc tgctcctcgg gctgctgctg ctcggctccc 200
247      ggccggcccg cggcgccggc ccagagcccc ccgtgctgcc catccgttct 250
248      gagaaggagc cgctgcccgt tcggggagcg gcaggctgca ccttcggcgg 300
249      gaaggtctat gccttggacg agacgtggca cccggaccta gggcagccat 350
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/943,664

DATE: 11/19/2001
TIME: 08:58:29

Input Set : N:\Crf3\RULE60\09943664.raw
Output Set: N:\CRF3\11192001\I943664.raw

```
L:25 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:27 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:29 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:31 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:33 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:35 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:37 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:39 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:41 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:43 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:45 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:47 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:49 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:51 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:53 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:55 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:57 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:59 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:61 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:63 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:65 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:67 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:69 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:71 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:73 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:75 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:77 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:79 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:81 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:83 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:85 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:87 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:89 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:91 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:93 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:95 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
```